

PERMIT APPLICATION NUMBER: NRS#04.176

APPLICANT: City of Hendersonville
Office of the City Engineer
Hendersonville, Tennessee 37075
(615) 590-4637

LOCATION: The proposed project is located in the City of Hendersonville along Drakes Creek, Sumner County, Tennessee.

WATERSHED DESCRIPTION: Drakes Creek is located within the Old Hickory Reservoir Watershed (HUC TN05130201). The immediate area of the project borders urban subdivisions and Drakes Creek Park. The streambed consists of mostly rock with some sedimentation. The creek banks are generally vegetated with a hard wood tree mixture and grassy areas with some areas without vegetation.

DESCRIPTION: The proposed project is a walking trail to be funded with TEA21 grant money funded through TDOT. The trail will pass under the existing railroad bridge and hug the western side of the creek. The trail will be built 6" above the average winter water level and will flood occasionally. The concrete trail will hug the southern most bridge pier. Intrusion on creek flow will be minor during low water and non-intrusive during high flow. An 8' wide concrete trail will be formed and poured over large rock (that cannot be dislodged during high flow). The large rock will be placed to stabilize the banks behind seven (7) homes to stop erosion and stabilize the rear of the properties. The rear of these properties has been washing away and the homes have lost 3-8 feet of back yard through creek erosion. There will be minimal excavation on this project. Rock will be brought in and graded to a base to support the concrete trail. Several trees will be removed to facilitate trail construction. The length of the project will affect 1000 linear feet or less of stream bank. In the area where the work will take place, the creek often dries up during low summer flow to a depth of 6" or less.

Approximately 500 cubic yards of large rock will be brought in and placed along the stream bank for stabilization. Approximately 110 cubic yards of concrete will be formed as a trail on top of the large fill rock.

PERMIT COORDINATOR: Dorsey Horne, STATE OF TENNESSEE, Department of Environment and Conservation, Division of Water Pollution Control, 7th Floor, L & C Annex, 401 Church Street, Nashville, Tennessee 37243-1534

USGS QUAD: HENDERSONVILLE, TENNESSEE 310-SE



